

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

ATTY. DOCKET NO.

SERIAL NO.

1309.43768X00

10/822,725

 APPLICANT
Sachiko HOSHINO et al.

 FILING DATE
April 13, 2004

 GROUP
2188

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LF	6,148,368	11-2000	DEKONING			
LF	6,341,331	01-2002	MCNUTT			
LF	6,347,358	2-2002	KUWATA			
LF	2003/0196055 A1	10-2003	KAMANO et al.			
LF	2004/0111557 A1	6-2004	NAKATANI et al.			
LF	2004/0139168 A1	7-2004	TANAKA et al.			
LF	2004/0193803 A1	9-2004	MOGI et al.			
LI	5,568,629	10-1996	GENTRY et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
LF	JP 2002-149599	5-2002	Japan			X	
LF	JP 2002-230189	8-2002	Japan			X	
LF	JP 2003-157177	5-2003	Japan			X	
LF	JP 2004-238539	8-2004	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Buck, A. L. et al., "The Storage Server as Virtual Volume Manager", IEEE Comput. Soc., April 1993, USA 26-29, pp. 79-86.
	Gelb, J.P. "System-Managed Storage", IBM Systems Journal, Vol. 28, No. 1, Jan. 1989, pp. 77-103.
	Kaczmariski, M. et al., "Beyond Backup Toward Storage Management", IBM Systems Journal, Vol. 42, No. 2, 2003, pp. 322-337.

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DATE CONSIDERED

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EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LS	5,657,470	8-1997	FISHERMAN et al.			
LS	5,829,053	10-1998	SMITH et al.			
LI	6,275,824	8-2001	O'FLAHERTY et al.			
LI	6,275,825	8-2001	KOBAYASHI et al.			
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LS	6,507,905	1-2003	HUBACHER et al.			
LS	6,519,679	2-2003	DEVIREDDY et al.			
LS	6,615,324	9-2003	FERNALD			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Freedom Storage Lightning 9900 V Series, User and Ref. Guide to Hitachi Data Systems, 2002.

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(Form PTO-1449 [6-4])

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LT	6,665,786	12-2003	MCMICHAEL et al.			
LT	6,715,031	3-2004	CAMBLE et al.			
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LT	6,851,022	2-2005	IKEUCHI et al.			
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LT	2003/0023868 A1	1-2003	PARENT			
LT	2003/0055933 A1	3-2003	ISHIZAKI et al.			
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LT	2003/0084241 A1	5-2003	LUBBERS et al.			

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GI	2003/0115434 A1	6-2003	MAHALINGAM et al.			
LS	2003/0115447 A1	6-2003	PHAM et al.			
CS	2003/0182501 A1	9-2003	GEORGE et al.			
CS	2004/0010563 A1	1-2004	FORTE et al.			
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LI	2004/0111596 A1	6-2004	RAWSON III			
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LI	2005/0015546 A1	1-2005	ZOHAR et al.			

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